

April 06, 2011

Asbestos and Pb (Lead) Survey UCSB Carrillo/Santa Cruz Boilers Bldgs. 562/548

The University of California Santa Barbara (UCSB), Design and Construction Services (DC&S) has compiled this report to disclose existing knowledge of asbestos and Pb (Lead) containing building components located at Buildings 562 and 548 on the UCSB Campus.

Asbestos Sampling

Table 1.0 Asbestos Laboratory Reports lists the reports attached by Report Number, Date, Laboratory, Analysis Type, and Comments.

Table 1.0 - Asbestos Laboratory Reports

Report #	Report Date	Laboratory	Analysis Type	Comments
B147323	04/06/2011	Forensic Analytical	PLM EPA Method 600/R-93-116	Carrillo Boiler Gaskets and insulation.

Lead Paint Sampling Results

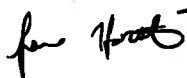
Table 2.0 Pb (Lead) Laboratory Reports lists the reports attached by Report Number, Date, Laboratory, Analysis Type, and Comments.

Table 2.0 - Pb (Lead) Laboratory Reports

Report #	Report Date	Laboratory	Analysis Type	Comments
M118442	04/06/2011	Forensic Analytical	TTLC Metal Analysis Flame AA	Paint sample on support of Boiler #1.

UCSB's industrial wastewater permit¹ local limit for lead is 1.040 mg/l. The California Code of Regulations, Title 22 classifies waste containing more than 50 ppm lead as hazardous² without further waste characterization. If you have any question regarding this report please contact me at 805-451-1918 or gene.horstin@dcs.ucsb.edu

Sincerely,



Digitally signed by Gene Horstin
 DN: cn=Gene Horstin, o=UCSB,
 ou=Design and Construction,
 email=gene.horstin@dcs.ucsb.edu
 Reason: I am the author of this document
 Date: 2011.04.06 15:27:48 -0700

Gene Horstin

University of California Santa Barbara
 Asbestos and Pb Clerk of the Works
 Asbestos Abatement Project Designer Cert# PD39-11
 Asbestos Inspector & Management Planner Cert# BIMP91-11
 Asbestos Contractor & Supervisor Cert# CS182-11
 CDPH Lead Inspector/Assessor ID# 20134

¹Industrial Wastewater Discharge Permit Number IV-413, Part I, Wastewater Discharge Limitations and Monitoring Requirements – Local Limits

²TITLE 22. Social Security, Division 4.5. Environmental Health Standards for the Management of Hazardous Waste, Chapter 11. Identification and Listing of Hazardous Waste, Article 3. Characteristics of Hazardous Waste, §66261.24, Characteristic of Toxicity



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

U.C. Santa Barbara
Project Manager
Design and Construction Svcs
Building 370
Santa Barbara, CA 93106

Client ID: 5151
Report Number: B147323
Date Received: 04/05/11
Date Analyzed: 04/06/11
Date Printed: 04/06/11
First Reported: 04/06/11

Job ID/Site: Santa Cruz/Carrillo Dining Boiler Replacement, Building 562, Boiler Room

FALI Job ID: 5151-6600

Date(s) Collected:

Total Samples Submitted: 5

Total Samples Analyzed: 5

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20110404-562-PLM-01	11097290						
Layer: Off-White Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (95 %)							
20110404-562-PLM-02	11097291						
Layer: Off-White Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (95 %)							
20110404-562-PLM-03	11097292						
Layer: Silver Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20110404-562-PLM-04	11097293						
Layer: White Fibrous Material		Chrysotile	95 %				
Total Composite Values of Fibrous Components:		Asbestos (95%)					
Cellulose (Trace)							
20110404-562-PLM-05	11097294						
Layer: Off-White Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (60 %)							

James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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5151-69600

University of California, Santa Barbara
 Environmental Health and Safety - Client # 5151
 Asbestos and Lead Program -- Contact J. Ripley 805-893-7984 jerome.ripley@dcs.ucsb.edu

Bulk Sample Log
 Asbestos

Project: Santa Cruz/Carrillo Dining Boiler Replacement Date: 04/04/2011 W.O.#: 137-51

Sampler Name: G. Horstin Building Name/Number: Bldg. 562 Boiler Room

Sample Analysis	Turn Around		
PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 04/06/2011		

Sample No.	Material(s)	UID No.	Location
20110404-562-PLM-01	White gasket.		Bldg. 562, boiler room, on boiler #1, south side.
20110404-562-PLM-02	White rope gasket.		Bldg. 562, boiler room, on boiler #1, north side.
20110404-562-PLM-03	Silver paint.		Bldg. 562, boiler room, on boiler #2, south side.
20110404-562-PLM-04	White rope gasket.		Bldg. 562, boiler room, on boiler #2, north side.
20110404-562-PLM-05	White insulation.		Bldg. 562, boiler room, on boiler #2, east side, south end.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 4/4/11

Received by Name: [Signature] Company: FASI

Date/Time: 4-5-11 @ 10:15am

[Signature]

Digitally signed by G. Horstin
 DN: cn=G. Horstin, o=UCSB, ou=Environmental Health and Safety, email=horstin@ehs.ucsb.edu
 Reason: I am the author of this document.
 Date: 2011.04.04 09:26:45 -0700



Metals Analysis of Paints

U.C. Santa Barbara
Jerome Ripley
Design and Construction Svcs
Building 370
Santa Barbara, CA 93106

Client ID: 5151
Report Number: M118442
Date Received: 04/05/11
Date Analyzed: 04/06/11
Date Printed: 04/06/11
First Reported: 04/06/11

Job ID / Site: Santa Cruz/Carrillo Dining Boiler Replacement , Bldg. 562 , boiler room W.O.#
137-51

FALI Job ID: 5151-1211

Date(s) Collected: 4/4/2011

Total Samples Submitted: 1

Total Samples Analyzed: 1

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20110404-562-PB-01	30398715	Pb	310	ppm	70	EPA 3050B/7420

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Dave Sandusky, CIH, Laboratory Supervisor, Hayward Laboratory

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Project: Santa Cruz/Carrillo Dining Boiler Replacement Date: 04/04/2011 W.O.#: 137-51

Sampler Name: G. Horstin Building Name/Number: Bldg. 562, boiler room

Sample Analysis	Turn Around		
TILC Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: 04/06/2011		

Sample No.	Material(s)	HID No.	Location
20110404-562-Pb-01	Black paint over blue paint on metal substrate.		Bldg. 562, boiler room, on boiler #1, on supports, east side.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: 4-5-11

Received by Name: [Signature] Company: FASI

Date/Time: 4-5-11 @ 10:15 AM
 [Signature]

Disposal subject to Core Values
 The University of California, Santa Barbara
 Environmental Health and Safety
 Department
 1000 P. O. Box 961000
 Santa Barbara, CA 93106-1000
 Phone: 805.893.7984
 Fax: 805.893.7985
 Email: ehs@ucsb.edu